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**BECOMING AND DEVELOPMENT OF SCIENTIFIC BASES OF THE USE
OF SIDERATIONS OF CULTURES IN ORGANIC AGRICULTURE OF
UKRAINE (THE SECOND HALF OF XIX – BEGINNING OF
XXI CENTURIES)**

It is set that among agrotechnical measures that provide the optimal terms of height and development of agricultural cultures in organic agriculture, growing of siderations cultures on a green fertilizer has an important value. The value of growing of siderations cultures is reasonable for the fertility-improving of soil and productivity of agricultural cultures. Growing of siderations cultures in organic agriculture activates activity of useful microorganisms, prevents development of harmful organisms, represses development of weeds.

Certainly, that humanitarian knowledge that purchased the primitive development in labours of scientists and writers of the ancient world became pre-condition of origin of knowledge about growing of siderations cultures. They grounded the supervisions not only on development of knowledge about effective natural measures in relation to the improvement of the ground terms and effective growing of cultures in the countries but also on the supervisions of similar applications in other.

It is set that a term «sideration» first offered in XIV century the French scientist J. Vil, that in translation from Latin means «star», «radial», id est fertilizer that can be

got by transformation of sunny energy. Some scientists consider that terms «sideration» and «green fertilizer» are conditional enough, as a value of sunbeams is represented in first from them, and in the second is a role of chlorophyll-bearing green organs of plants. Most scientists consider that under a term «sideration» it is needed to understand inwrapping not only above-ground mass but also root systems of plants in a top-soil, id est all mass of plants.

It is found out, that in the second half of XIX – at the beginning XX century as siderat used a lupin everywhere. Wrapped up him, that had improved the agrophysics state of soil far.

It is discovered that green fertilizers are fresh green mass of plants, that is wrapped up in soil mainly in place of their growing for enriching of him on an organic substance, nitrogen, and also for the improvement of the water, air and thermal modes. Payment of scientists-agrarians and practical workers is certain in becoming and development of scientific bases of the use of siderations cultures in organic agriculture of Ukraine in the second half of XIX – at the beginning XXI of centuries.

Key words: *becoming, development, scientific bases, siderations cultures, green fertilizers, organic agriculture.*